



# Lasertack

## New Laser Generation

MLL-FN-639/1~1000mW



### LD PUMPED ALL-SOLID-STATE LOW NOISE RED LASER AT 639nm

Low noise all solid state 639nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and scientific research etc.

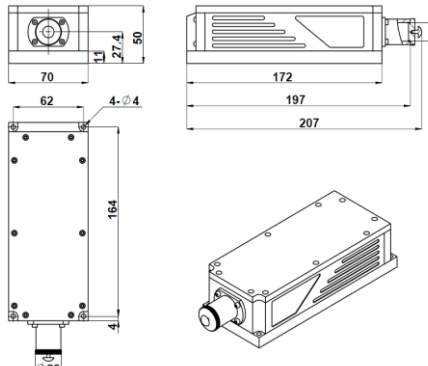
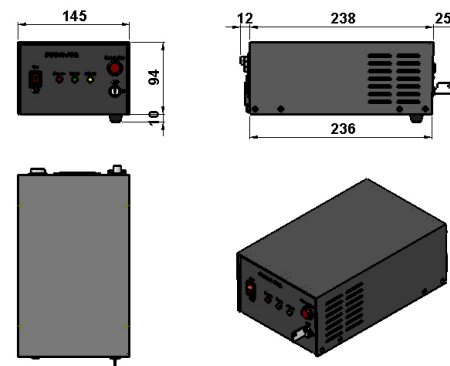


#### SPECIFICATIONS

|   |  |                       |
|---|--|-----------------------|
| Central wavelength (nm)                               | 639±1  |                       |
| Operating mode  | CW   |                       |
| Output power (mW)                                     | >1,10,20...400                                 | >400, 500, ... , 1000 |
| Power stability (rms, over 4 hours)                   | <1%, <3%, <5%                                  |                       |
| Transverse mode                                       | TEM <sub>00</sub>                              |                       |
| Spectral linewidth (nm)                               | <0.2 (<0.003 Optional)                         | <0.2                  |
| M <sup>2</sup> factor                                 | <1.2   |                       |
| Noise of amplitude (rms, 20Hz~20MHz)                  | <1%, typical<0.5%                              | <1%                   |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | <1.0   |                       |
| Beam divergence, full angle (mrad)                    | <1.5   |                       |
| Polarization ratio                                    | >100:1 Horizontal±5 degree (Vertical Optional) |                       |
| Warm-up time (minutes)                                | <10  |                       |
| Pointing stability after warm-up (mrad)               | <0.05  |                       |
| Beam height from base plate (mm)                      | 27.4   |                       |
| Operating temperature (°C)                            | 10~35  |                       |
| Power supply (90-264VAC)                              | PSU-H-FDA                                      |                       |
| Expected lifetime (hours)                             | 10000  |                       |
| Warranty  | 1 year   |                       |



Note: The laser head needs to be used on a heat sink with good heat dissipation.

| MXL-FN-639  | PSU-H-FDA   |
|---|---|
|  <p data-bbox="515 1372 761 1404">197(L)×70(W)×50(H) mm<sup>3</sup>, 2.0 kg</p> |  <p data-bbox="1433 1372 1702 1404">236(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p> |